

What is claimed is:

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1. A membrane eraser used for ophthalmic surgery, comprising:  
a grip portion;  
a rod shaped body having opposite first and second ends,  
5 said first end being attached to [one end of] said grip  
portion, said second end extending away from said grip  
portion;  
an elastic body [fitted along a direction toward a front  
end of said] having opposite proximal and distal ends and a  
10 hollow interior, said hollow interior at said proximal end  
receiving said second end of said rod-shaped body[to the front  
end side thereof and having a hollow tapered front tip], said  
distal end having a tapered tip extending away from said rod  
shaped body; and

15 a plurality of hard, inorganic fine-grains fixed on said  
tapered [front] tip of said elastic body [wherein said grains  
are located in a range of 0.5 mm to 3.0 mm from an end portion  
of said front tip], said fine-grains configured for removal of  
membrane tissue on a retina of an individual.

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2. A membrane eraser according to claim 1, wherein said elastic body comprises silicone rubber.

3. A membrane eraser according to claim 1, wherein said hard inorganic fine-grains comprise grains having a range in diameter from 3  $\mu\text{m}$  to 80  $\mu\text{m}$ .

4. A membrane eraser according to claim 1, wherein said hard inorganic fine-grains comprise diamond particles.

5. A membrane eraser according to claim 1, wherein said rod-shaped body comprises titanium.

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6. A membrane eraser according to claim 1, wherein said hard inorganic fine-grains are fixed by a silicone base adhesive to said [front] tapered tip.

7. A membrane eraser according to claim 1, wherein said grains are located in a range of 0.5 mm to 3.0 mm from said distal end of the elastic body.

8. An ophthalmic treatment tool comprising:

a grip;

a rod shaped body having opposite first and second ends,  
said first end attached to said grip, said second end

5 extending away from said grip;

an elastic body attached to said second end of said rod  
shaped body, said elastic body having a tapered tip extending  
away from said rod shaped body; and

10 a plurality of hard, inorganic fine-grains fixed on said  
tapered tip of said elastic body, said fine-grains having a  
diameter in a range of 3  $\mu\text{m}$  to 80  $\mu\text{m}$ .

9. The ophthalmic treatment tool according to claim 8  
wherein said elastic body has a general cylindrical shape with  
opposite proximal and distal ends and a hollow interior, said  
proximal end is fitted onto said second end of said rod shaped

5 body, said distal end is cut on a bevel forming said tapered  
tip.

10. The ophthalmic treatment tool according to claim 8  
wherein said rod shaped body has slender line portion at said  
second end, the elastic body is fitted on said slender line  
portion.

11. The ophthalmic treatment tool according to claim 10  
wherein said slender line portion is formed in an angle  
relative to said rod shaped body.

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12. An ophthalmic treatment tool comprising:

a grip;

a rod shaped body having opposite first and second ends,  
said first end attached to said grip, said second end having a  
slender line portion extending away from said grip;

an elastic body having a generally tubular shape with  
openings at opposite proximal and distal ends, said proximal  
end opening receiving said slender line portion therein, said  
second end being spaced from said slender line portion and

extending to a distal end having a taper; and

a plurality of hard, inorganic fine-grains fixed on said  
distal end of said elastic body.

13. The ophthalmic treatment tool according to 12 wherein  
said slender line portion is formed in an angle relative to  
said rod shaped body.

14. The ophthalmic treatment tool according to claim 12  
wherein said fine-grains are located in a range of 0.5 mm to  
3.0 mm from a distal end of the elastic body.

15. The ophthalmic treatment tool according to claim 12  
wherein said fine-grains have a range in diameter from 3  $\mu\text{m}$  to  
80  $\mu\text{m}$ .

16. A membrane eraser for ophthalmic treatment comprising:

a tool having a length with opposite proximal and distal  
ends, a rigid portion of the tool adjacent the tool proximal  
end and an elastic portion of the tool adjacent the tool  
distal end, the elastic portion of the tool is attached to the  
rigid portion of the tool and projects from the rigid portion  
of the tool for a portion of the length of the tool to the  
tool distal end; and

a plurality of hard, inorganic fine-grains fixed to the  
elastic portion of the tool.

17. The membrane eraser of claim 16, wherein:  
the elastic portion of the tool is flexible along the portion of the length of the tool that the elastic portion projects from the rigid portion.

18. The membrane eraser of claim 16, wherein:  
the plurality of hard, inorganic fine-grains are fixed to the elastic portion of the tool adjacent the distal end of the tool.

19. The membrane eraser of claim 16, wherein:  
the rigid portion of the tool includes a grip at the tool proximal end and a rod-shaped body attached to the grip and projecting from the grip.

20. The membrane eraser of claim 16, wherein:  
the elastic portion has a beveled surface adjacent the distal end of the tool and the hard, inorganic fine-grains are fixed on the beveled surface.

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